

## Patent Abstracts of Japan

PUBLICATION NUMBER : 60141029  
PUBLICATION DATE : 26-07-85

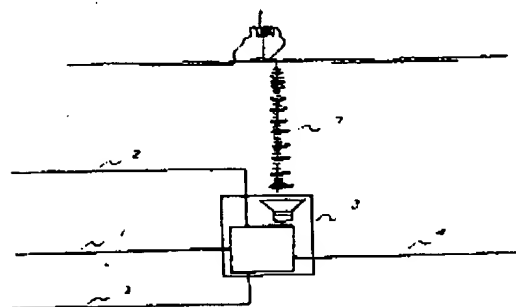
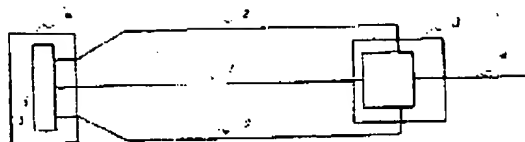
APPLICATION DATE : 28-12-83  
APPLICATION NUMBER : 58247055

APPLICANT : NEC CORP;

INVENTOR : OOTA HAJIME;

INT.CL. : H04B 1/74 H04B 3/46 H04B 17/00

TITLE : SUBMARINE CABLE  
COMMUNICATION SYSTEM



ABSTRACT : PURPOSE: To prevent operation stop for a long term due to a fault of a shore end cable by installing >2 routes of shore end cables from a coast terminal station to a coast ocean section and connecting the said cable to the main cable via a remote switching device for submarine installation.

CONSTITUTION: If a fault takes place in the active shore end cable 1, a signal representing occurrence of a fault by a fault signal detector 5 of a terminal station 6, information switched to a spare cable is transmitted via a control signal transmission line in an optical cable, a remote control switching device 3 is driven and the cable is switched to the spare shore end cable 2. In Fig., 4 is the main submarine cable. If a fault takes place in the shore end cable, the signal of occurrence of a fault is detected by a terminal station, the faulty cable is confirmed, a ship sails on a sea area where the remote control switching device is installed, an ultrasonic wave is transmitted from a remote control signal 7 whose address is designated in advance from the ship, a signal receiver of the remote control switching device 3 is responded thereto, the switching device is driven and the cable is switched to the spare shore end cable 2.

COPYRIGHT: (C)1985,JPO&Japlo

BEST AVAILABLE COPY